

SOLID OXIDE AUXILIARY POWER UNIT REFORMATE CONTROL

ABSTRACT OF THE DISCLOSURE

A method and system for controlling reformat delivered to an electrochemical cell in an electric power system. The system comprises: a reformat pressure sensor disposed in the reformat and configured to measure reformat pressure; a controllable valve configured to control the flow of reformat to the electrochemical cell; and a controller coupled to the reformat pressure sensor and the controllable valve. The controller receives a reformat pressure signal from the reformat pressure sensor, a controllable valve position signal from the controllable valve, and transmits a controllable valve command to the controllable valve.

Abstract